CLAIMS

What is claimed is:

1.   1.   A method for processing macros of varying grammatical invocation by a pre-
2.   processor, said method comprising:

3.   receiving an identifier token from source code;

        in response to said identifier token matching a macro identifier stored in a
symbol table,

            replacing said identifier token with a macro form token
            corresponding to said identifier token from said symbol table;

            sending said macro form token to a glue routine;

            invoking a macro invocation parser by said glue routine;

10   transferring tokens to said macro invocation parser via said glue
11   routine until a completion of said macro invocation; and

12   sending a macro body definition of said macro to a lexer by said
13   macro invocation parser.

1   2.   The method of Claim 1, wherein said receiving step is performed by a lexer.

1   3.   The method of Claim 1, wherein said replacing step is performed by a lexer.

1   4.   The method of Claim 1, wherein said sending step is performed by a lexer.

5.   The method of Claim 1, wherein said transferring step further includes transferring tokens from a lexer to said macro invocation parser.

1   6.   A computer program product residing on a computer usable medium for processing

2   macros of varying grammatical invocation by a pre-processor, said computer program

3   product comprising:

4   program code means for receiving an identifier token from source code;

5   in response to said identifier token matching a macro identifier stored in a

6   symbol table,

         program code means for replacing said identifier token with a macro

         form token corresponding to said identifier token from said symbol

         table;

         program code means for sending said macro form token to a glue

         routine;

         program code means for invoking a macro invocation parser by said

         glue routine;

14   program code means for transferring tokens to said macro invocation

15   parser via said glue routine until a completion of said macro

16   invocation; and

17   program code means for sending a macro body definition of said

18   macro to a lexer by said macro invocation parser.

1   7.   The computer program product of Claim 6, wherein said program code means for

2   receiving is a lexer.

1   8.   The computer program product of Claim 6, wherein said program code means for

2   replacing is a lexer.

1   9.   The computer program product of Claim 6, wherein said program code means for

sending is a lexer.

10.   The computer program product of Claim 6, wherein said program code means for

transferring further includes computer code means for transferring tokens from a lexer to

said macro invocation parser.